



### ENVIRONMENTAL ANALYSIS TABLE

FOR AREAS WITHIN PROJECT LIMITS:

WETLAND ALTERATION	DESCRIPTION	AREA (S.F.)
AREA #1	WATERLINE CROSSING	53
AREA #2	CULVERT SHADING	167
AREA #3	WALL	20
AREA #4	CULVERT SHADING	273

TOTAL WETLAND ALTERATION: 513

WETLAND REPLICATION AREA REQUIRED: 1,026

WETLAND REPLICATION	AREA (S.F.)
AREA #1	811
AREA #2	321

WETLAND REPLICATION AREA PROVIDED: 1,132

VERNAL POOL BUFFER ALTERATION	AREA (S.F.)
	0

0'-25' WETLAND BUFFER ALTERATION	AREA (S.F.)
	6,232

25'-100' WETLAND BUFFER ALTERATION	AREA (S.F.)
	87,849

NOTES:  
100' WETLAND BUFFER AREA ON BROOKHAVEN PROPERTY = 403,927 S.F.  
100' WETLAND BUFFER AREA ALTERATION ON PROPERTY  
(PROPOSED ALTERATION COMBINED WITH EXISTING ALTERATIONS) = 201,482 S.F.  
TOTAL PERCENT OF 100' WETLAND BUFFER AREA ALTERATION = 50%

### RESOURCE AREA LEGEND

	WETLAND AREA ALTERATION
	25' WETLAND BUFFER ALTERATION
	100' WETLAND BUFFER ALTERATION
	WETLAND RESTORATION AREA

### LEGEND

EXISTING		PROPOSED
	ELEVATION CONTOUR	
	SPOT GRADE	
	PROPERTY LINE	
	BUILDING ENVELOPE	
	AQUIFER PROTECTION DISTRICT	
	EDGE OF PAVEMENT	
	CHAINLINK FENCE	
	WATER MAIN	
	WATER SERVICE	
	WATER VALVE	
	FIRE HYDRANT	
	GRAVITY SEWER LINE	
	SEWER MANHOLE	
	GAS LINE	
	GAS VALVE	
	GAS METER	
	OVERHEAD POWER LINE	
	UTILITY POLE	
	GUY WIRE	
	ELECTRIC MANHOLE	
	ELECTRIC METER	
	STORM DRAIN	
	ROOF DRAIN	
	CATCH BASIN	
	LEACHING CATCH BASIN	
	SITE LUMINAIRE	
	BOLLARD	
	SIGN	
	ELEVATION BENCHMARK	
	SURFACE RUNOFF DIRECTION	
	STONE BOUND	
	IRON ROD	
	NUMBER OF PARKING SPACES	

### ABBREVIATIONS

AC	ACRES	TP	TOP OF PAVEMENT
FT	FEET	TW	TOP OF WALL
L	LENGTH	BW	BOTTOM OF WALL
S	SLOPE	N/F	NOW OR FORMERLY
INV	INVERT	SF	SQUARE FEET
EL	ELEVATION	PVC	POLYVINYL CHLORIDE
R	RADIUS	HDPE	HIGH DENSITY POLYETHYLENE
DIA	DIAMETER	CB	CATCH BASIN
BOT	BOTTOM	CLF	CHAIN LINK FENCE
FF	FINISH FLOOR	UP	UTILITY POLE

### NOTES

- ELEVATIONS SHOWN TO AN EXISTING DATUM ALIGNED TO THE EXISTING BROOKHAVEN CAMPUS.
- INFORMATION NORTH OF CHESTER BROOK IS BASED ON AN ON-THE-GROUND SURVEY BY GPR IN NOVEMBER 2015. OTHER INFORMATION IS SHOWN FROM AVAILABLE RECORDS.
- UTILITY LOCATIONS SHOWN ARE APPROXIMATE, SUBJECT TO FINAL ENGINEERING AND FINAL SITE CONDITIONS DURING CONSTRUCTION.
- CONTRACTORS ARE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UTILITIES. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES IN UTILITY LOCATIONS AND ANY CONFLICTS DISCOVERED DURING CONSTRUCTION.

### DRAWING ISSUED FOR:

- ☐ CONCEPT ☐ CONSTRUCTION  
☒ PERMIT ☐ CONSTRUCTION RECORD

THIS DRAWING MAY NOT SHOW CONSTRUCTION DETAILS AND SPECIFICATIONS FOR ALL PROPOSED IMPROVEMENTS, AND MAY NOT IDENTIFY ALL CONSTRUCTION WORK ITEMS/AREAS OF CONTRACTOR JURISDICTION.

PER 250 CMR 5.03(13), THE FOLLOWING ARE EXCLUDED FROM THE PROFESSIONAL ENGINEER'S RESPONSIBILITY: ALL BOUNDARY INFORMATION; LOCATION OF EXISTING STRUCTURES, TREES, UTILITIES, TOPOGRAPHY OR SIMILAR FEATURES; DESIGN OF RETAINING WALLS, PROPRIETARY EQUIPMENT. SEE EXISTING CONDITION NOTES.

NO.	DATE	BY	APP.	REVISION DESCRIPTION

**GPR** Engineering Solutions for Land & Structures

**GOLDSMITH, PREST & RINGWALL, INC.**  
39 MAIN STREET, SUITE 301, AYER, MA 01432  
CIVIL ENGINEERING • LAND SURVEYING • LAND PLANNING  
VOICE: 978.772.1590 FAX: 978.772.1591  
www.gpr-inc.com

RESIDENTIAL DEVELOPMENT  
NORTH BUILDING & COMMONS EXPANSION  
ENVIRONMENTAL ANALYSIS MAP

BROOKHAVEN AT LEXINGTON  
960 - 1010 WALTHAM STREET  
LEXINGTON, MA

OWNER:  
BROOKHAVEN AT LEXINGTON  
1010 WALTHAM STREET  
LEXINGTON, MA 02421

8/7/17 CONCOM POST-SITE WALK INSERT	
7/24/17 RICCI LANE INSERT FOR CONSERVATION COMMISSION	
DES. BY: KFB	ORIGINAL ISSUE DATE:
CHK. BY: DEM	JULY 17, 2017
JOB 151067	C.3.1